

Title (en)

METHOD AND SYSTEM INVOLVING CONTROLLING A VIDEO CAMERA TO TRACK A MOVABLE TARGET OBJECT

Title (de)

VERFAHREN UND SYSTEM UMFASSEND STEUERN EINER VIDEOKAMERA ZUM VERFOLGEN EINES BEWEGLICHEN ZIELOBJEKTS

Title (fr)

PROCÉDÉ ET SYSTÈME PERMETTANT DE COMMANDER UNE CAMÉRA VIDÉO POUR SUIVRE UN OBJET CIBLE MOBILE

Publication

**EP 2342580 B1 20160511 (EN)**

Application

**EP 09749233 A 20091007**

Priority

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Abstract (en)

[origin: US2010085437A1] Methods are described for controlling orientation of an aim point axis of a video camera having an instrument coordinate system to track a point of interest on a movable target object and calculating positions of the point of interest in a local coordinate system in which the target object is moving. The methods include measuring pan and tilt angles of the aim point axis and distance substantially along the aim point axis and calculating a calibration matrix which transforms a position defined in the instrument coordinate system to a position defined in the local coordinate system. A system is described including an instrument and at least one computer, wherein the instrument includes a video camera and a range finder, and wherein the video camera includes an aim point axis having an adjustable orientation. In one example, the target object is adapted to move on and inspect an airplane surface.

IPC 8 full level

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